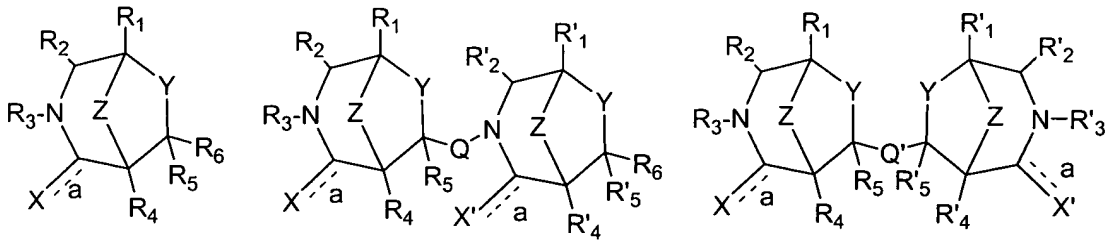
AMENDMENTS TO THE CLAIMS

1-21. (Canceled)

22. (New) A pharmaceutical composition comprising as active principle at least one among the 3-aza-bicyclo[3.2.1]octane derivatives of general formula (I), or their dimers of general formula (II) and (III), or mixtures thereof



I II III

wherein:

R_1 and R'_1, equal or different between each other, are selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkynyl, cycloalkyl, aryl, heterocycle, arylC_{1-8}alkyl; heterocycleC_{1-8}alkyl, RR'N-C_{1-8}alkyl, RR'N-aryl, FmocNR'-aryl, BocNR'-aryl, CBzNR'-aryl, RO-aryl, R(O)C-aryl, RO(O)C-aryl, RR'N(O)C-aryl; FmocNR'-C_{1-8}alkyl, BocNR'-C_{1-8}alkyl, CbzNR'-C_{1-8}alkyl, FmocNR'-C_{1-8}aryl, BocNR'-C_{1-8}aryl and CbzNR'-C_{1-8} aryl,

R_2 and R'_2, equal or different between each other, are selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkynyl, cycloalkyl, aryl, arylC_{1-8}alkyl, heterocycleC_{1-8}alkyl, aminoC_{1-8}alkyl, aminoaryl, C_{1-8}alkyloxyaryl, hydroxyaryl, hydroxyC_{1-8}alkyl, carboxyC_{1-8}alkyl, methyloxycarbonylC_{1-8}alkyl, carboxyaryl, carboalkyloxyaryl, alkylcarbamoylaryl and -(side chains of amino acids), or

R_1 and R_2, taken together, and R_1' and R_2', taken together, are C_{1-4}alkyl, C_{2-4} alkenyl, cycloalkyl or benzofused cycloalkyl, to form a bridge of 3, 4, 5, 6 terms,

R_3 and R_3' are selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkynyl, cycloalkyl, aryl, arylC_{1-8}alkyl, heterocycleC_{1-8}alkyl, RR'NC_{1-8}alkyl, RR'Naryl, RO-C_{1-8}alkyl, RO(O)C-C_{1-8}alkyl, R(O)C-C_{1-8}alkyl, RC(O)O-C_{1-8}alkyl, RC(O)N(R)C_{1-8}alkyl, RO-aryl, RO(O)C-aryl, R(O)C-aryl RC(O)O-aryl, RC(O)N(R)aryl, -CH(amino acid side-chain)CO_2R, -CH(amino acid side-chain)C(O)NR, -CH(CO_2R)- amino acid side-chain, CH(CONRR')- amino acid side-chain, Fmoc, Boc and Cbz,

R_4, R'_4 R_5, and R'_5, equal or different amongst each other, are selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkinyl, cycloalkyl, aryl, heterocycle, arylC_{1-8}alkyl and heterocycleC_{1-8}alkyl,

R_6 is selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkynyl, cycloalkyl, aryl, arylC_{1-8}alkyl, heterocycle, heterocycleC_{1-8}alkyl; -C(O)R, -C(O)OR, -C(O)NRR', CH_2OR, CH_2NRR', -C(O)NH-CH(amino acid side-chain)C(O)OR, CH_2NR-Fmoc, CH_2NR-Boc and CH_2NR-CBz,

R and R', equal or different between each other, are selected from the group consisting of H, C_{1-8}alkyl, C_{2-8}alkenyl, C_{2-8}alkynyl, cycloalkyl, aryl, heterocycle, arylC_{1-8}alkyl; heterocycleC_{1-8}alkyl; protecting group, -C(O)CH-(amino acid side-chain)-NHT, -NH-CH(amino acid side-chain)COOT and -CH(amino acid side-chain)COOT,

where T is selected from between H and C_{1-8}alkyl;

X and X', equal or different between each other, are selected from between O and S, when *a* is a double bond, or

X and X' are both H, when *a* is a single bond,

Y and Z, equal or different from each other, are selected from the group consisting of O, S, SO, SO_2 and N-R, wherein R is as above defined;

Q is selected from the group consisting of C=O, CH_2, CO-NH-CH (amino acid side-chain)-CO, $CONR(CH_2)_nCO$, CONR-C_{2-8}alkenyl-CO $C(O)O(CH_2)_nCO$, $CH_2OC(O)(CH_2)_nCO$, and $CH_2NRC(O)(CH_2)_nCO$, wherein n is comprised between 2 and 6, and R is as above defined,

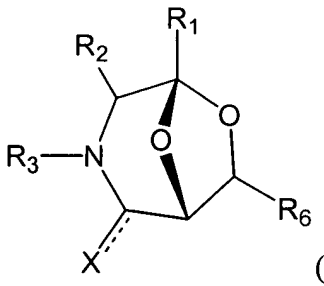
Q' is selected from the group consisting of $C(O)OCH_2$, $C(O)NRCH_2$, $CH_2OC(O)$, $CH_2NRC(O)$, $CONR(CH_2)_nNRCO$, CONR-C_{2-8}alkenyl-NRCO, $C(O)O(CH_2)_nNRCO$, $CONR(CH_2)_nOC(O)$, $CH_2OC(O)(CH_2)_nOC(O)CH_2$, $CH_2NRC(O)(CH_2)_nNRC(O)CH_2$, $CH_2OC(O)(CH_2)_nNRC(O)CH_2$, $CH_2NRC(O)(CH_2)_nOC(O)CH_2$, $CH_2NR(CH_2)_nNRCH_2$, $CH_2O(CH_2)_nOCH_2$, $CH_2O(CH_2)_nNRCH_2$, and $CH_2NR(CH_2)_nOCH_2$, wherein n is comprised between 2 and 6, and R is as above defined,

and where the groups alkyl, alkenyl, alkynyl, cycloalkyl, aryl and the heterocyclic groups above reported, are possibly substituted.

23. (New) The pharmaceutical composition according to claim 22, wherein in 3-aza-bicyclo[3.2.1]octane derivatives of formula (I) and in their dimers of formula (II) Z is O.

24. (New) The pharmaceutical composition according to claim 22, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, aryl and heterocyclic groups may be substituted with one or more moieties chosen from the group consisting of halogen, cyano, nitro, amino, hydroxy, carboxylic acid, carbonyl and C_{1-6} alkyl.

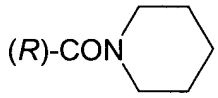
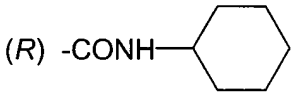
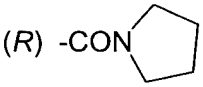
25. (New) The pharmaceutical composition according to claim 22, wherein the 3-aza-bicyclo[3.2.1]octane derivatives of formula (I) and their dimers of formula (II) and (III) are selected from the compounds having the following formulas:



(I)

Compound	X	R_1	R_2	R_3	R_6
1	O	H	H	$PhCH_2$	(*R*) $-CO_2Me$
2	O	H	H	$PhCH_2$	(*S*) $-CO_2Me$
3	O	H	H	$PhCH_2$	(*R*)-CON
4	O	H	H	$PhCH_2$	(*R*)-CON
5	O	H	(*S*) -Me	$PhCH_2$	(*R*) $-CO_2Me$
6	O	H	(*S*) -Me	$PhCH_2$	(*S*) $-CO_2Me$
7	O	H	(*R*) -Me	$PhCH_2$	(*R*) $-CO_2Me$
8	O	H	(*R*) -Me	$PhCH_2$	(*S*) $-CO_2Me$
9	O	H	(*R*) $-CH_2Ph$	$PhCH_2$	(*S*) $-CO_2Me$
10	O	H	(*R*) $-CH_2Ph$	$PhCH_2$	(*R*) $-CO_2Me$
11	O	H	(*S*) $-CH_2Ph$	$PhCH_2$	(*S*) $-CO_2Me$
12	O	H	(*S*) $-CH_2Ph$	$PhCH_2$	(*R*) $-CO_2Me$

13	O	H	(*S*)-CH_2OBn	$PhCH_2$	(*R*) -CO_2Me
14	O	H	(*S*)-CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
15	O	H	(*R*)-CH_2OBn	$PhCH_2$	(*R*) -CO_2Me
16	O	H	(*R*)-CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
17	O	H	(*S*)-CH_2OH	$PhCH_2$	(*R*) -CO_2Me
18	O	H	(*S*)-CH_2OH	$PhCH_2$	(*S*) -CO_2Me
19	O	H	(*R*)-CH_2OH	$PhCH_2$	(*R*) -CO_2Me
20	O	H	(*R*)-CH_2OH	$PhCH_2$	(*S*) -CO_2Me
21	O	H	$=CH_2$	$PhCH_2$	(*R*) -CO_2Me
22	O	H	$=CH_2$	$PhCH_2$	(*S*) -CO_2Me
23	O	H	(*R*)-CH_2OH	$PhCH_2$	(*S*) -CO_2Me
24	S	H	H	$PhCH_2$	(*R*) -CO_2Me
25	S	H	H	$PhCH_2$	(*R*)-$CONH(CH_2)_2NH_2$
26	S	H	H	$PhCH_2$	(*R*)-$CONH(CH_2)_2OH$
27	O	Ph	H	$PhCH_2$	(*R*) -CO_2Me
28	O	Ph	H	$PhCH_2$	(*S*) -CO_2Me
29	O	Ph	H	$CH(Ph)_2$	(*R*) -CO_2Me
30	O	Ph	H	$CH(Ph)_2$	(*S*) -CO_2Me
31	O	NO_2-Ph	H	Ph	(S)-CO_2Me
32	H	H	H	H	(*R*) -CO_2H
33	H	H	H	H	(*S*) -CO_2H
34	H	H	H	H	(*R*) -CO_2Me
35	H	H	H	H	(*S*) -CO_2Me
36	H	H	H	$PhCH_2$	(*R*) -CO_2H
37	H	H	H	$PhCH_2$	(*S*) -CO_2H
38	H	H	H	Fmoc	(*R*) -CO_2H
39	H	H	H	Fmoc	(*S*) -CO_2H
40	H	H	H	$PhCH_2$	(*R*) -CO_2Me
41	H	H	H	$PhCH_2$	(*S*) -CO_2Me

42	H	H	H	Boc	(*R*) -CO_2Me
43	H	H	H	Boc	(*S*) -CO_2Me
44	H	H	H	Fmoc	(*R*) -CO_2Me
45	H	H	H	Fmoc	(*S*) -CO_2Me
46	H	H	H	H	(*R*) -CONHMe
47	H	H	H	H	(*S*) -CONHMe
48	H	H	H	Ac	(*R*) -CONHMe
49	H	H	H	Ac	(*S*) -CONHMe
50	H	H	H	$PhCH_2$	(*R*) -CONHMe
51	H	H	H	$PhCH_2$	(*S*) -CONHMe
52	H	H	H	Fmoc	(*R*) -CONHMe
53	H	H	H	Fmoc	(*S*) -CONHMe
54	H	H	H	$PhCH_2$	
55	H	H	H	$PhCH_2$	
56	H	H	H	$PhCH_2$	
57	H	H	H	$PhCH_2$	(*R*)-$CONH(CH_2)_2OH$
58	H	H	H	H	(*R*) -CH_2OH
59	H	H	H	H	(*S*) -CH_2OH
60	H	H	H	Fmoc	(*S*) -CH_2OH
61	H	H	H	Fmoc	(*R*) -CH_2OH
62	H	H	H	Boc	(*R*) -CH_2OH
63	H	H	H	Boc	(*S*) -CH_2OH
64	H	H	H	$PhCH_2$	(*R*) -CH_2OH
65	H	H	H	$PhCH_2$	(*S*) -CH_2OH
66	H	H	(*S*) -CH_2OBn	$PhCH_2$	(*R*) -CO_2Me

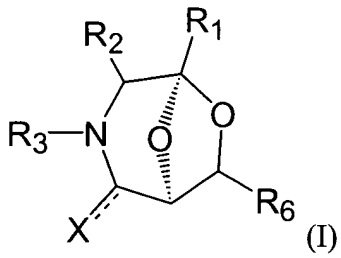
67	H	H	(*S*) -CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
68	H	H	(*R*) -CH_2OBn	$PhCH_2$	(*R*) -CO_2Me
69	H	H	(*R*) -CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
70	H	H	(*S*) -CH_2OBn	$PhCH_2$	(*R*) -CH_2OH
71	H	H	(*S*) -CH_2OBn	$PhCH_2$	(*S*) -CH_2OH
72	H	H	(*R*) -CH_2OBn	$PhCH_2$	(*R*) -CH_2OH
73	H	H	(*R*) -CH_2OBn	$PhCH_2$	(*S*) -CH_2OH
75	H	H	(*S*) -COOH	Fmoc	(*R*) -CO_2Me
76	H	H	(*S*) -COOH	Fmoc	(*S*) -CO_2Me
77	H	H	(*R*) -COOH	Fmoc	(*R*) -CO_2Me
78	H	H	(*R*) -COOH	Fmoc	(*S*) -CO_2Me
79	H	H	(*S*) -CH_2OBn	Fmoc	(*R*) -CO_2Me
80	H	H	(*S*) -CH_2OBn	Fmoc	(*S*) -CO_2Me
81	H	H	(*R*) -CH_2OBn	Fmoc	(*R*) -CO_2Me
82	H	H	(*R*) -CH_2OBn	Fmoc	(*S*) -CO_2Me
83	H	H	(*S*) -CH_2OBn	H	(*R*) -CO_2Me
84	H	H	(*S*) -CH_2OBn	H	(*S*) -CO_2Me
85	H	H	(*R*) -CH_2OBn	H	(*R*) -CO_2Me
86	H	H	(*R*) -CH_2OBn	H	(*S*) -CO_2Me
87	H	H	(*S*) -CH_2OH	H	(*R*) -CO_2Me
88	H	H	(*S*) -CH_2OH	H	(*S*) -CO_2Me
89	H	H	(*R*) -CH_2OH	H	(*R*) -CO_2Me
90	H	H	(*R*) -CH_2OH	H	(*S*) -CO_2Me
91	H	H	(*S*) -CH_2OH	Fmoc	(*R*) -CO_2Me
92	H	H	(*S*) -CH_2OH	Fmoc	(*S*) -CO_2Me
93	H	H	(*R*) -CH_2OH	Fmoc	(*R*) -CO_2Me
94	H	H	(*R*) -CH_2OH	Fmoc	(*S*) -CO_2Me
95	H	H	(*S*) -CH_2OH	Fmoc	(*R*) -CO_2Me
96	H	H	(*S*) -CH_2OH	Fmoc	(*S*) -CO_2Me
97	H	H	(*R*) -CH_2OH	Fmoc	(*R*) -CO_2Me
98	H	H	(*R*) -CH_2OH	Fmoc	(*S*) -CO_2Me

99	H	H	(*S*) -CH_2OH	$PhCH_2$	(*S*) -CO_2Me
100	H	H	(*R*) -CH_2OH	$PhCH_2$	(*R*) -CO_2Me
101	H	H	(*R*) -CH_2OH	$PhCH_2$	(*R*) -CO_2Me
102	H	H	(*R*) -CH_2OH	$PhCH_2$	(*S*) -CO_2Me
103	H	H	(*S*) -CH_2OH	Fmoc	(*R*) -CH_2OH
104	H	H	(*S*) -CH_2OH	Fmoc	(*S*) -CH_2OH
105	H	H	(*R*) -CH_2OH	Fmoc	(*R*) -CH_2OH
106	H	H	(*R*) -CH_2OH	Fmoc	(*S*) -CH_2OH
107	H	H	(*S*) -CH_2OH	$PhCH_2$	(*R*) -CH_2OH
108	H	H	(*S*) -CH_2OH	$PhCH_2$	(*S*) -CH_2OH
109	H	H	(*R*) -CH_2OH	$PhCH_2$	(*R*) -CH_2OH
110	H	H	(*R*) -CH_2OH	$PhCH_2$	(*S*) -CH_2OH
111	H	H	$=CH_2$	$PhCH_2$	(*R*) -CO_2Me
112	H	H	$=CH_2$	$PhCH_2$	(*S*) -CO_2Me
113	H	H	$=CH_2$	$PhCH_2$	(*R*) -CH_2OH
114	H	H	$=CH_2$	$PhCH_2$	(*S*) -CH_2OH
115	H	H	(*S*)-$CH_2CH(Me)_2$	Fmoc	(*R*) -CH_2OH
116	H	H	(*S*)-$CH_2CH(Me)_2$	$PhCH_2$	(*S*) -CH_2OH
117	H	H	(*S*)-$CH_2CH(Me)_2$	H	(*R*) -CH_2OH
118	H	Ph	H	H	(*R*) -CO_2Me
119	H	Ph	H	Fmoc	(*R*) -CO_2Me
120	H	Ph	H	$PhCH_2$	(*R*) -CO_2Me
121	H	Ph	H	$CH(Ph)_2$	(*R*) -CO_2Me
122	H	Ph	H	H	(*S*) -CO_2Me
123	H	Ph	H	Fmoc	(*S*) -CO_2Me
124	H	Ph	H	$PhCH_2$	(*S*) -CO_2Me
125	H	Ph	H	$CH(Ph)_2$	(*S*) -CO_2Me
126	H	p-NH_2-C_6H_4	H	Ph	(S)-COOMe
127	H	p-NH_2-C_6H_4	H	Ph	(S)-COOh
128	H	p-NH_2- C_6H_4	H	Ph	(S)-$CONHCH_2CO_2Me$

129	H	p-NH-(Asp(O^{t}Bu)-NH$_2$) C_6H_4	H	Ph	(S)-CO_2Me
130	H	p-NH-(Asp(O^{t}Bu)NH$_2$)-C_6H_4	H	Ph	(S)-CO_2H
131	H	p-NH-(Asp(O^{t}Bu)-NH$_2$) C_6H_4	H	Ph	(S)-CONH-Lys(NHBoc)-OMe
132	H	p-NH-(Asp(OH)-NH$_2$)-C_6H_4	H	Ph	(S)-CONH-Lys-OMe
133	H	p-NO_2-C_6H_4	H	Ph	(S)-COOH
134	H	p-NO_2- C_6H_4	H	Ph	(S)-COOMe
135	H	p-NO_2- C_6H_4	H	Ph	(S)-CONHCH$_2$CO$_2$Me
136	H	Ph	H	H	(*R*) -CH$_2$OH
137	H	Ph	H	Fmoc	(*R*) -CH$_2$OH
138	H	Ph	H	PhCH$_2$	(*R*) -CH$_2$OH
139	H	Ph	H	CH(Ph)$_2$	(*R*) -CH$_2$OH
140	H	Ph	H	H	(*S*) -CH$_2$OH
141	H	Ph	H	Fmoc	(*S*) -CH$_2$OH
142	H	Ph	H	PhCH$_2$	(*S*) -CH$_2$OH
143	H	Ph	H	CH(Ph)$_2$	(*S*) -CH$_2$OH
144	H	H	(*S*) -Me	Fmoc	(*R*) -CO_2H
145	H	H	(*S*) -Me	Fmoc	(*S*) -CO_2H
146	H	H	(*R*) -Me	Fmoc	(*R*) -CO_2H
147	H	H	(*R*) -Me	Fmoc	(*S*) -CO_2H
148	H	H	(*S*) -Me	Fmoc	(*R*) -CO_2Me
149	H	H	(*S*) -Me	Fmoc	(*S*) -CO_2Me
150	H	H	(*R*) -Me	Fmoc	(*R*) -CO_2Me
151	H	H	(*R*) -Me	Fmoc	(*S*) -CO_2Me

152	H	H	(*S*) -Me	$PhCH_2$	(*R*) $-CO_2Me$
153	H	H	(*S*) -Me	$PhCH_2$	(*S*) $-CO_2Me$
154	H	H	(*R*) -Me	$PhCH_2$	(*R*) $-CO_2Me$
155	H	H	(*R*) -Me	$PhCH_2$	(*S*) $-CO_2Me$
156	H	H	(*S*) -Me	Fmoc	(*R*) $-CH_2OH$
157	H	H	(*S*) -Me	Fmoc	(*S*) $-CH_2OH$
158	H	H	(*R*) -Me	Fmoc	(*R*) $-CH_2OH$
159	H	H	(*R*) -Me	Fmoc	(*S*) $-CH_2OH$
160	H	H	(*S*) -Me	$PhCH_2$	(*R*) $-CH_2OH$
161	H	H	(*S*) -Me	$PhCH_2$	(*S*) $-CH_2OH$
162	H	H	(*R*) -Me	$PhCH_2$	(*R*) $-CH_2OH$
163	H	H	(*R*) -Me	$PhCH_2$	(*S*) $-CH_2OH$
164	H	H	(*S*) $-PhCH_2$	Fmoc	(*R*) $-CO_2H$
165	H	H	(*S*) $-PhCH_2$	Fmoc	(*S*) $-CO_2H$
166	H	H	(*R*) $-PhCH_2$	Fmoc	(*R*) $-CO_2H$
167	H	H	(*R*) $-PhCH_2$	Fmoc	(*S*) $-CO_2H$
168	H	H	(*S*) $-PhCH_2$	Fmoc	(*R*) $-CO_2Me$
169	H	H	(*S*) $-PhCH_2$	Fmoc	(*S*) $-CO_2Me$
170	H	H	(*R*) $-PhCH_2$	Fmoc	(*R*) $-CO_2Me$
171	H	H	(*R*) $-PhCH_2$	Fmoc	(*S*) $-CO_2Me$
172	H	H	(*S*) $-PhCH_2$	$PhCH_2$	(*R*) $-CO_2Me$
173	H	H	(*S*) $-PhCH_2$	$PhCH_2$	(*S*) $-CO_2Me$
174	H	H	(*R*) $-PhCH_2$	$PhCH_2$	(*R*) $-CO_2Me$
175	H	H	(*R*) $-PhCH_2$	$PhCH_2$	(*S*) $-CO_2Me$
176	H	H	(*R*) $-PhCH_2$	H	(*R*) $-CO_2Me$
177	H	H	(*R*) $-PhCH_2$	H	(*S*) $-CO_2Me$
178	H	H	(*S*) $-PhCH_2$	H	(*R*) $-CO_2Me$
179	H	H	(*S*) $-PhCH_2$	H	(*S*) $-CO_2Me$
180	H	H	(*S*) $-PhCH_2$	Fmoc	(*R*) $-CH_2OH$
181	H	H	(*S*) $-PhCH_2$	Fmoc	(*S*) $-CH_2OH$
182	H	H	(*R*) $-PhCH_2$	Fmoc	(*R*) $-CH_2OH$

183	H	H	(*R*) -$PhCH_2$	Fmoc	(*S*) -CH_2OH
184	H	H	(*S*) -$PhCH_2$	$PhCH_2$	(*R*) -CH_2OH
185	H	H	(*S*) -$PhCH_2$	$PhCH_2$	(*S*) -CH_2OH
186	H	H	(*R*) -$PhCH_2$	$PhCH_2$	(*R*) -CH_2OH
187	H	H	(*R*) -$PhCH_2$	$PhCH_2$	(*S*) -CH_2OH
188	H	H	(S)-$PhCH_2$	$PhCH_2$	(R)-COOH
189	O	p-NO_2Ph	H	Ph	$CONH(CH_2)_6NH_2$



(I)

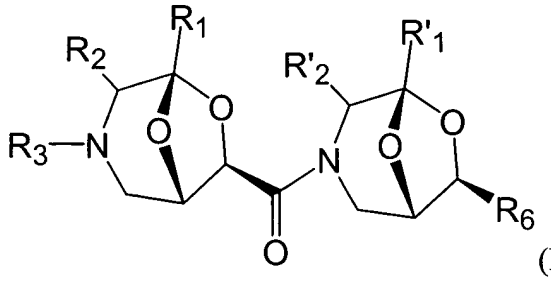
Compound	X	R_1	R_2	R_3	R_6
190	O	H	H	$PhCH_2$	(*R*) -CO_2Me
191	O	H	H	$PhCH_2$	(S) -CO_2Me
192	O	H	(*S*) -Me	$PhCH_2$	(*R*) -CO_2Me
193	O	H	(*S*) -Me	$PhCH_2$	(*S*) -CO_2Me
194	O	H	(*R*) -Me	$PhCH_2$	(*R*) -CO_2Me
195	O	H	(*R*) -Me	$PhCH_2$	(*S*) -CO_2Me
196	O	H	(*S*) -$PhCH_2$	$PhCH_2$	(*R*) -CO_2Me
197	O	H	(*S*) -$PhCH_2$	$PhCH_2$	(*S*) -CO_2Me
198	O	H	(*R*) -$PhCH_2$	$PhCH_2$	(*R*) -CO_2Me
199	O	H	(*R*) -$PhCH_2$	$PhCH_2$	(*S*) -CO_2Me
200	O	H	(*S*) -$CH_2CH(Me)_2$	$PhCH_2$	(*R*) -CO_2Me
201	O	H	(*S*) -$CH_2CH(Me)_2$	$PhCH_2$	(*S*) -CO_2Me
202	O	H	(*R*) -$CH_2CH(Me)_2$	$PhCH_2$	(*R*) -CO_2Me
203	O	H	(*R*) -$CH_2CH(Me)_2$	$PhCH_2$	(*S*) -CO_2Me
204	O	H	H	$PhCH_2$	(*R*) -CONHMe
205	O	H	H	$PhCH_2$	(*S*) -CONHMe
206	O	H	(*S*) -Me	$PhCH_2$	(*R*) -CONHMe

207	O	H	(*S*) -Me	$PhCH_2$	(*S*) -CONHMe
208	O	H	(*R*) -Me	$PhCH_2$	(*R*) -CONHMe
209	O	H	(*R*) -Me	$PhCH_2$	(*S*) -CONHMe
210	O	H	(*S*) -$PhCH_2$	$PhCH_2$	(*R*) -CONHMe
211	O	H	(*S*) -$PhCH_2$	$PhCH_2$	(*S*) -CONHMe
212	O	H	(*R*) -$PhCH_2$	$PhCH_2$	(*R*) -CONHMe
213	O	H	(*R*) -$PhCH_2$	$PhCH_2$	(*S*) -CONHMe
214	O	H	(*S*) -$CH_2CH(Me)_2$	$PhCH_2$	(*R*) -CONHMe
215	O	H	(*S*) -$CH_2CH(Me)_2$	$PhCH_2$	(*S*) -CONHMe
216	O	H	(*R*) -$CH_2CH(Me)_2$	$PhCH_2$	(*R*) -CONHMe
217	O	H	(*R*) -$CH_2CH(Me)_2$	$PhCH_2$	(*S*) -CONHMe
218	H	H	H	Fmoc	(*R*) -CO_2H
219	H	H	H	Fmoc	(*R*) -CO_2Me
220	H	H	H	Fmoc	(*S*) -CO_2H
221	H	H	H	Fmoc	(*S*) -CO_2Me
222	H	H	(*S*)-Me	Fmoc	(*R*) -CO_2H
223	H	H	(*S*)-Me	Fmoc	(*R*) -CO_2Me
224	H	H	(*S*)-Me	$PhCH_2$	(*R*) -CO_2Me
225	H	H	(*R*)-Me	Fmoc	(*R*) -CO_2H
226	H	H	(*R*)-Me	Fmoc	(*R*) -CO_2Me
227	H	H	(*R*)-Me	$PhCH_2$	(*R*) -CO_2Me
228	H	H	(*S*)-Me	Fmoc	(*S*) -CO_2H
229	H	H	(*S*)-Me	Fmoc	(*S*) -CO_2Me
230	H	H	(*S*)-Me	$PhCH_2$	(*S*) -CO_2Me
231	H	H	(*R*)-Me	Fmoc	(*S*) -CO_2H
232	H	H	(*R*)-Me	Fmoc	(*S*) -CO_2Me
233	H	H	(*R*)-Me	$PhCH_2$	(*S*) -CO_2Me
234	H	H	(*S*)- $PhCH_2$	Fmoc	(*R*) -CO_2H
235	H	H	(*S*)- $PhCH_2$	Fmoc	(*R*) -CO_2Me
236	H	H	(*S*)- $PhCH_2$	$PhCH_2$	(*R*) -CO_2Me
237	H	H	(*R*)- $PhCH_2$	Fmoc	(*R*) -CO_2H

238	H	H	(*R*)- $PhCH_2$	Fmoc	(*R*) -CO_2Me
239	H	H	(*R*)- $PhCH_2$	$PhCH_2$	(*R*) -CO_2Me
240	H	H	(*S*)- $PhCH_2$	Fmoc	(*S*) -CO_2H
241	H	H	(*S*)- $PhCH_2$	Fmoc	(*S*) -CO_2Me
242	H	H	(*S*)- $PhCH_2$	$PhCH_2$	(*S*) -CO_2Me
243	H	H	(*R*)- $PhCH_2$	Fmoc	(*S*) -CO_2H
244	H	H	(*R*)- $PhCH_2$	Fmoc	(*S*) -CO_2Me
245	H	H	(*R*)- $PhCH_2$	$PhCH_2$	(*S*) -CO_2Me
246	H	H	(*R*)- CH_2OH	Fmoc	(*S*) -CO_2Me
247	H	H	(*R*)- CH_2OH	$PhCH_2$	(*S*) -CO_2Me
248	H	H	(*R*)- CH_2OBn	Fmoc	(*S*) -CO_2Me
249	H	H	(*R*)- CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
250	H	H	(*R*)- CH_2OH	Fmoc	(*R*) -CO_2Me
251	H	H	(*R*)- CH_2OH	$PhCH_2$	(*R*) -CO_2Me
252	H	H	(*R*)- CH_2OBn	Fmoc	(*R*) -CO_2Me
253	H	H	(*R*)- CH_2OBn	$PhCH_2$	(*R*) -CO_2Me
254	H	H	(*S*)- CH_2OH	Fmoc	(*S*) -CO_2Me
255	H	H	(*S*)- CH_2OH	$PhCH_2$	(*S*) -CO_2Me
256	H	H	(*S*)- CH_2OBn	Fmoc	(*S*) -CO_2Me
257	H	H	(*S*)- CH_2OBn	$PhCH_2$	(*S*) -CO_2Me
258	H	H	(*S*)- CH_2OH	Fmoc	(*R*) -CO_2Me
259	H	H	(*S*)- CH_2OH	$PhCH_2$	(*R*) -CO_2Me
260	H	H	(*S*)- CH_2OBn	Fmoc	(*R*) -CO_2Me
261	H	H	(*S*)- CH_2OBn	$PhCH_2$	(*R*) -CO_2Me
262	H	H	(*S*)-$CH_2CH(Me)_2$	Bn	(*R*) -CO_2Me
263	H	H	(*R*)-$CH_2CH(Me)_2$	Bn	(*R*) -CO_2Me
264	H	H	(*S*)-$CH_2CH(Me)_2$	Bn	(*S*) -CO_2Me
265	H	H	(*R*)-$CH_2CH(Me)_2$	Bn	(*S*) -CO_2Me
266	H	H	(*S*)-$CH_2CH(Me)_2$	Fmoc	(*R*) -CO_2Me
267	H	H	(*R*)-$CH_2CH(Me)_2$	Fmoc	(*R*) -CO_2Me
268	H	H	(*S*)-$CH_2CH(Me)_2$	Fmoc	(*S*) -CO_2Me

269	H	H	(*R*)-$CH_2CH(Me)_2$	Fmoc	(*S*) -CO_2Me
270	H	H	(*S*)-Me	H	(*R*) -CH_2OH
271	H	H	(*S*)-Me	Bn	(*R*) -CH_2OH
272	H	H	(*S*)-Me	Fmoc	(*R*) -CH_2OH
273	H	H	(*R*)-Me	H	(*R*) -CH_2OH
274	H	H	(*R*)-Me	Bn	(*R*) -CH_2OH
275	H	H	(*R*)-Me	Fmoc	(*R*) -CH_2OH
276	H	H	(*S*)-Me	H	(*S*) -CH_2OH
277	H	H	(*S*)-Me	Bn	(*S*) -CH_2OH
278	H	H	(*S*)-Me	Fmoc	(*S*) -CH_2OH
279	H	H	(*R*)-Me	H	(*S*) -CH_2OH
280	H	H	(*R*)-Me	Bn	(*S*) -CH_2OH
281	H	H	(*R*)-Me	Fmoc	(*S*) -CH_2OH
282	H	H	(*S*)-$CH_2CH(Me)_2$	H	(*R*) -CH_2OH
283	H	H	(*S*)-$CH_2CH(Me)_2$	Bn	(*R*) -CH_2OH
284	H	H	(*S*)-$CH_2CH(Me)_2$	Fmoc	(*R*) -CH_2OH
285	H	H	(*R*)-$CH_2CH(Me)_2$	H	(*R*) -CH_2OH
286	H	H	(*R*)-$CH_2CH(Me)_2$	Bn	(*R*) -CH_2OH
287	H	H	(*R*)-$CH_2CH(Me)_2$	Fmoc	(*R*) -CH_2OH
288	H	H	(*S*)-$CH_2CH(Me)_2$	H	(*S*) -CH_2OH
289	H	H	(*S*)-$CH_2CH(Me)_2$	Bn	(*S*) -CH_2OH
290	H	H	(*S*)-$CH_2CH(Me)_2$	Fmoc	(*S*) -CH_2OH
291	H	H	(*R*)-$CH_2CH(Me)_2$	H	(*S*) -CH_2OH
292	H	H	(*R*)-$CH_2CH(Me)_2$	Bn	(*S*) -CH_2OH
293	H	H	(*R*)-$CH_2CH(Me)_2$	Fmoc	(*S*) -CH_2OH
294	H	H	(*S*) -$PhCH_2$	H	(*R*) -CH_2OH
295	H	H	(*S*) -$PhCH_2$	Bn	(*R*) -CH_2OH
296	H	H	(*S*) -$PhCH_2$	Fmoc	(*R*) -CH_2OH
297	H	H	(*R*) -$PhCH_2$	H	(*R*) -CH_2OH
298	H	H	(*R*) -$PhCH_2$	Bn	(*R*) -CH_2OH
299	H	H	(*R*) -$PhCH_2$	Fmoc	(*R*) -CH_2OH

300	H	H	(*S*) -$PhCH_2$	H	(*S*) -CH_2OH
301	H	H	(*S*) -$PhCH_2$	Bn	(*S*) -CH_2OH
302	H	H	(*S*) -$PhCH_2$	Fmoc	(*S*) -CH_2OH
303	H	H	(*R*) -$PhCH_2$	H	(*S*) -CH_2OH
304	H	H	(*R*) -$PhCH_2$	Bn	(*S*) -CH_2OH
305	H	H	(*R*) -$PhCH_2$	Fmoc	(*S*) -CH_2OH
306	H	H	(*R*)- CH_2OH	Fmoc	(*S*) -CH_2OH
307	H	H	(*R*)- CH_2OH	$PhCH_2$	(*S*) -CH_2OH
308	H	H	(*R*)- CH_2OBn	Fmoc	(*S*) -CH_2OH
309	H	H	(*R*)- CH_2OBn	$PhCH_2$	(*S*) -CH_2OH
310	H	H	(*R*)- CH_2OH	Fmoc	(*R*) -CH_2OH
311	H	H	(*R*)- CH_2OH	$PhCH_2$	(*R*) -CH_2OH
312	H	H	(*R*)- CH_2OBn	Fmoc	(*R*) -CH_2OH
313	H	H	(*R*)- CH_2OBn	$PhCH_2$	(*R*) -CH_2OH
314	H	H	(*S*)- CH_2OH	Fmoc	(*S*) -CH_2OH
315	H	H	(*S*)- CH_2OH	$PhCH_2$	(*S*) -CH_2OH
316	H	H	(*S*)- CH_2OBn	Fmoc	(*S*) -CH_2OH
317	H	H	(*S*)- CH_2OBn	$PhCH_2$	(*S*) -CH_2OH
318	H	H	(*S*)- CH_2OH	Fmoc	(*R*) -CH_2OH
319	H	H	(*S*)- CH_2OH	$PhCH_2$	(*R*) -CH_2OH
320	H	H	(*S*)- CH_2OBn	Fmoc	(*R*) -CH_2OH
321	H	H	(*S*)- CH_2OBn	$PhCH_2$	(*R*) -CH_2OH



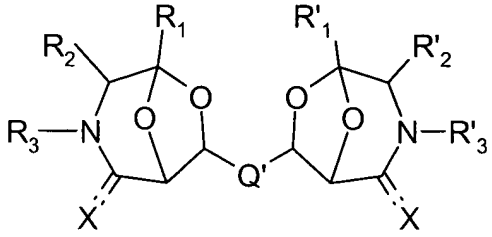
(II)

Compound	R_1	R_2	R_3	R'_1	R'_2	R_6
322	H	H	H	H	H	CO_2Me

323	H	H	H	H	H	CONHMe
324	H	H	$PhCH_2$	H	H	CO_2Me
325	H	H	$PhCH_2$	H	H	CONHMe
326	H	H	Fmoc	H	H	CO_2Me
327	H	H	Fmoc	H	H	CONHMe
328	H	H	Boc	H	H	CO_2Me
329	H	H	Boc	H	H	CONHMe
330	H	$PhCH_2$	H	H	H	CO_2Me
331	H	$PhCH_2$	H	H	H	CONHMe
332	H	$PhCH_2$	$PhCH_2$	H	H	CO_2Me
333	H	$PhCH_2$	$PhCH_2$	H	H	CONHMe
334	H	$PhCH_2$	Fmoc	H	H	CO_2Me
335	H	$PhCH_2$	Fmoc	H	H	CONHMe
336	H	$PhCH_2$	Boc	H	H	CO_2Me
337	H	$PhCH_2$	Boc	H	H	CONHMe
338	H	H	H	H	$PhCH_2$	CO_2Me
339	H	H	H	H	$PhCH_2$	CONHMe
340	H	H	$PhCH_2$	H	$PhCH_2$	CO_2Me
341	H	H	$PhCH_2$	H	$PhCH_2$	CONHMe
342	H	H	Fmoc	H	$PhCH_2$	CO_2Me
343	H	H	Fmoc	H	$PhCH_2$	CONHMe
344	H	H	Boc	H	$PhCH_2$	CO_2Me
345	H	H	Boc	H	$PhCH_2$	CONHMe
346	H	$PhCH_2$	H	H	$PhCH_2$	CO_2Me
347	H	$PhCH_2$	H	H	$PhCH_2$	CONHMe
348	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	CO_2Me
349	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	CONHMe
350	H	$PhCH_2$	Fmoc	H	$PhCH_2$	CO_2Me
351	H	$PhCH_2$	Fmoc	H	$PhCH_2$	CONHMe
352	H	$PhCH_2$	Boc	H	$PhCH_2$	CO_2Me
353	H	$PhCH_2$	Boc	H	$PhCH_2$	CONHMe

354	Ph	H	H	H	H	CO_2Me
355	Ph	H	H	H	H	CONHMe
356	Ph	H	$PhCH_2$	H	H	CO_2Me
357	Ph	H	$PhCH_2$	H	H	CONHMe
358	Ph	H	Fmoc	H	H	CO_2Me
359	Ph	H	Fmoc	H	H	CONHMe
360	Ph	H	Boc	H	H	CO_2Me
361	Ph	H	Boc	H	H	CONHMe
362	H	H	H	Ph	H	CO_2Me
363	H	H	H	Ph	H	CONHMe
364	H	H	$PhCH_2$	Ph	H	CO_2Me
365	H	H	$PhCH_2$	Ph	H	CONHMe
366	H	H	Fmoc	Ph	H	CO_2Me
367	H	H	Fmoc	Ph	H	CONHMe
368	H	H	Boc	Ph	H	CO_2Me
369	H	H	Boc	Ph	H	CONHMe
370	Ph	H	H	Ph	H	CO_2Me
371	Ph	H	H	Ph	H	CONHMe
372	Ph	H	$PhCH_2$	Ph	H	CO_2Me
373	Ph	H	$PhCH_2$	Ph	H	CONHMe
374	Ph	H	Fmoc	Ph	H	CO_2Me
375	Ph	H	Fmoc	Ph	H	CONHMe
376	Ph	H	Boc	Ph	H	CO_2Me
377	Ph	H	Boc	Ph	H	CONHMe
378	H	H	H	H	CH_2OH	CO_2Me
379	H	H	H	H	CH_2OH	CONHMe
380	H	H	$PhCH_2$	H	CH_2OH	CO_2Me
381	H	H	$PhCH_2$	H	CH_2OH	CONHMe
382	H	H	Fmoc	H	CH_2OH	CO_2Me
383	H	H	Fmoc	H	CH_2OH	CONHMe
384	H	H	Boc	H	CH_2OH	CO_2Me

385	H	H	Boc	H	CH_2OH	CONHMe
386	H	$PhCH_2$	H	H	CH_2OH	CO_2Me
387	H	$PhCH_2$	H	H	CH_2OH	CONHMe
388	H	$PhCH_2$	$PhCH_2$	H	CH_2OH	CO_2Me
389	H	$PhCH_2$	$PhCH_2$	H	CH_2OH	CONHMe
390	H	$PhCH_2$	Fmoc	H	CH_2OH	CO_2Me
391	H	$PhCH_2$	Fmoc	H	CH_2OH	CONHMe
392	H	$PhCH_2$	Boc	H	CH_2OH	CO_2Me
393	H	$PhCH_2$	Boc	H	CH_2OH	CONHMe
394	Ph	H	H	H	CH_2OH	CO_2Me
395	Ph	H	H	H	CH_2OH	CONHMe
396	Ph	H	$PhCH_2$	H	CH_2OH	CO_2Me
397	Ph	H	$PhCH_2$	H	CH_2OH	CONHMe
398	Ph	H	Fmoc	H	CH_2OH	CO_2Me
399	Ph	H	Fmoc	H	CH_2OH	CONHMe
400	Ph	H	Boc	H	CH_2OH	CO_2Me
401	Ph	H	Boc	H	CH_2OH	CONHMe



(III)

Compound	R_1	R_2	R_3	R'_1	R'_2	R_3	X	Q'
402	H	H	H	H	H	H	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
403	H	H	H	H	H	H	O	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
404	H	H	H	H	H	H	O	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
405	H	H	H	H	H	H	O	$CO\text{-}N(C_2H_4)N\text{-}CO$
406	H	H	$PhCH_2$	H	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
407	H	H	$PhCH_2$	H	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_4NH\text{-}CO$

408	H	H	$PhCH_2$	H	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
409	H	H	$PhCH_2$	H	H	$PhCH_2$	O	$CO\text{-}N(C_2H_4)N\text{-}CO$
410	H	H	$PhCH_2$	H	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
411	H	H	$PhCH_2$	H	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
412	H	H	$PhCH_2$	H	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
413	H	H	$PhCH_2$	H	H	$PhCH_2$	H	$CO\text{-}N(C_2H_4)N\text{-}CO$
414	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
415	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	O	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
416	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	O	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
417	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	O	$CO\text{-}N(C_2H_4)N\text{-}CO$
418	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	H	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
419	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	H	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
420	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	H	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
421	H	$PhCH_2$	$PhCH_2$	H	$PhCH_2$	$PhCH_2$	H	$CO\text{-}N(C_2H_4)N\text{-}CO$
422	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
423	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
424	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	O	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
425	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	O	$CO\text{-}N(C_2H_4)N\text{-}CO$
426	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
427	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
428	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
429	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}N(C_2H_4)N\text{-}CO$
430	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
431	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
432	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
433	Ph	H	$PhCH_2$	Ph	H	$PhCH_2$	H	$CO\text{-}N(C_2H_4)N\text{-}CO$
434	Ph	H	Ph	Ph	H	Ph	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$
435	Ph	H	Ph	Ph	H	Ph	O	$CO\text{-}NH(CH_2)_4NH\text{-}CO$
436	Ph	H	Ph	Ph	H	Ph	O	$CO\text{-}NH(CH_2)_6NH\text{-}CO$
437	Ph	H	Ph	Ph	H	Ph	O	$CO\text{-}N(C_2H_4)N\text{-}CO$
438	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	O	$CO\text{-}NH(CH_2)_2NH\text{-}CO$

439	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	O	CO-NH$(CH_2)_3$NH-CO
440	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	O	CO-NH$(CH_2)_4$NH-CO
441	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	O	CO-NH$(CH_2)_5$NH-CO
442	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	O	CO-NH$(CH_2)_6$NH-CO
443	NO_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-N(C_2H_4)N-CO
444	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-NH$(CH_2)_2$NH-CO
445	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-NH$(CH_2)_3$NH-CO
446	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-NH$(CH_2)_4$NH-CO
447	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-NH$(CH_2)_5$NH-CO
448	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-NH$(CH_2)_6$NH-CO
449	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	O	CO-N(C_2H_4)N-CO
450	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	H	CO-NH$(CH_2)_2$NH-CO
451	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	H	CO-NH$(CH_2)_3$NH-CO
452	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	H	CO-NH$(CH_2)_4$NH-CO
453	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	H	CO-NH$(CH_2)_5$NH-CO
454	NO_2-Ph	H	Ph	NO_2-Ph	H	Ph	H	CO-NH$(CH_2)_6$NH-CO
455	NO_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-N(C_2H_4)N-CO
456	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-NH$(CH_2)_2$NH-CO
457	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-NH$(CH_2)_3$NH-CO
458	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-NH$(CH_2)_4$NH-CO
459	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-NH$(CH_2)_5$NH-CO
460	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-NH$(CH_2)_6$NH-CO
461	NH_2-Ph	H	Ph	NH_2-Ph	H	Ph	H	CO-N(C_2H_4)N-CO

26. (New) The pharmaceutical composition according to claim 22, further comprising pharmaceutically acceptable excipients and/or diluents.

27. (New) A method of treating :

i) neurodegenerative, inflammatory, toxic, traumatic, or vascular disorders of the central, peripheral, or autonomic nervous system, neural damages secondary to hypoxia, ischaemia, burns, chemotherapy, toxic compounds of various origin (including alcohol), infections, trauma

(including surgical trauma) originating axotomy of motoneurons, sensorial, motor, or sensorimotor neuropathies, or autonomic dysfunctions secondary to diverse pathologies, genetic disorders, nervous pathologies of diverse origin, some ocular pathologies, corneal diseases of diverse origin, pathologies from reduced motility of the gastro-intestinal tract or from urinary bladder atony, endocrine neoplastic pathologies, clinical conditions in which stimulation of learning processes is advantageous, and all pathological conditions originating from apoptotic processes of neural cells;

ii) acquired immunodeficiency diseases due to reduced or absent bioavailability of NGF;

iii) conditions in which stimulation of neoangiogenesis may be advantageous;

iv) certain ocular pathologies,

said method comprising administering to a patient in need of such a treatment a pharmaceutical composition comprising as active principle at least one among the 3-aza-bicyclo[3.2.1]octane derivatives of general formula (I), or their dimers of general formula (II) and (III), or mixtures thereof as defined in claim 22.

28. (New) The method according to claim 27, in which said neurodegenerative, inflammatory, toxic, traumatic, or vascular disorders of the central, peripheral, or autonomic nervous system are selected from Alzheimer Disease (AD), Amyotrophic Lateral Sclerosis (ALS), Huntington disease, multiple sclerosis, epilepsy, Down syndrome, nervous deafness and Ménière's disease.

29. (New) The method according to claim 27, in which said neural damages secondary to infections are selected from polio and HIV virus.

30. (New) The method according to claim 27, in which said genetic disorders are selected from Charcot-Marie-Tooth disease, Refsum disease, abetalipoprotenemia, Tangier disease, Krabbe disease, metachromatic leukodystrophy, Fabry disease, Dejerine-Sottas disease.

31. (New) The method according to claim 27, in which said nervous pathologies of diverse origin are selected from diffuse atrophy of cerebral cortex, Lewy body dementia, Pick's disease, mesolimbocortical dementia, neuronal ceroid lipofuscinosis, thalamic degeneration, cortico-striatal-spinal degeneration, cortico-basal ganglionic degeneration, cerebro-cerebellar

degeneration, familial dementia with spastic paraparesis, polyglucosan bodies disease, Shy-Drager synfrome, olivopontocerebellar atrophy, progressive supranuclear palsy, deforming muscular dystony, Hallervorden-Spatz disease, Meige's syndrome, familial shivering, Gilles de la Tourette syndrome, chorea-acanthocytosis syndrome, Friedreich's ataxia, Holmes' corticocerebellar familial atrophy, Gerstmann-Straussler-Scheinker disease, progressive spinal muscular atrophy, spastic paraplegia, peroneal muscular atrophy, hypertrophic interstitial polyneuropathy and polyneuritic ataxic heredopathy.

32. (New) The method according to claim 27, in which said ocular pathologies are selected from optic nerve neuropathies, retinal degeneration, ophtalmoplegy and glaucoma; and said corneal diseases of diverse origin are selected from neurotrophic ulcers, post-traumatic and post-infective corneal disorders.

33. (New) The method according to claim 27, in which said pathologies from reduced motility of the gastro-intestinal tract or from urinary bladder atony are selected from interstitial cystitis and diabetic cystitis.

34. (New) The method according to claim 27, in which said conditions in which stimulation of neoangiogenesis may be advantageous are selected from myocardial infarction, stroke, cerebral aneurysms, gastro-duodenal ulcers, wound healing and peripheral vasculopathies.

35. (New) The method according to claim 27, in which said acquired immunodeficiency disease is immunodeficiency of ageing.

36. (New) A method for promoting growth and/or *in vivo*, *in vitro* or *ex vivo* survival of neuronal cells, comprising using as promoting reagents the 3-aza-bicyclo[3.2.1]octane derivatives of formula (I), their dimers of formula (II) or (III) and mixtures thereof as defined in claim 22.

37. (New) The method according to claim 36, wherein said neural cells are selected from the group consisting of dopaminergic, cholinergic, sensorial neurons, striatal cells, cortical cells,

cells of the corpus striatum, hippocampus, cerebellum, olfactory bulbs, peri-aqueductal cells, cells of the raphe nuclei, of the locus coeruleus, of the dorsal root ganglia, sympathetic neurons, lower motoneurons, nervous stem cells, and cells anyhow deriving from the neural plaque.

38. (New) A process for the preparation of culture and storage media useful for conservation of explanted corneas destined to transplantation, comprising adding to culture and storage media 3-aza-bicyclo[3.2.1]octane derivatives of formula (I), their dimers of formula (II) or (III), or mixtures thereof as defined in claim 22.

39. (New) A method for imaging analysis of tissues and organs containing neurotrophine receptors, comprising using 3-aza-bicyclo[3.2.1]octane derivatives of formula (I), their dimers of formula (II) or (III), or mixtures thereof as defined in claim 22, labelled with suitable reagents (contrast agents, radioisotopes, fluorescent agents etc.), and possibly processed with procedures useful for medical imaging purposes.

40. (New) The method according to claim 39, for monitoring the use and efficacy of drugs or for the diagnosis of mammal diseases in which the neurothrophine receptors are involved.

41. (New) The 3-aza-bicyclo[3.2.1]octane derivatives of formula (I) and their dimers of formula (II) and (III) as defined in claim 22, with the exclusion of the compounds indicated by the following numbers:
1,2,5,7,8,9,10,12,13,17,19,20,21,32,34,35,36,38,40,44,58,60,64,65,66,70,75,76,
77,78,79,83,87,91,95,99,101,103,138,145,152,154,163,164,168,172,174,176,178,184,186,192,32
2,324, and as defined in claim 25.

42. (New) The 3-aza-bicyclo[3.2.1]octane derivatives of formula (I) and their dimers of formula (II) and (III) according to claim 41, selected from the compounds indicated by the following numbers:
3,4,6,11,14-16,18,22-31,33,37,39,41-43,45-57,59,61-63,67-69,71-74,80-82,84-86,88-90,92-
94,96-98,100,102,104-137,139-144,146-151,153,155-162,165-167,169-171,173,175,177,179-
183,185,187-191,193-321,323,325-461, and as defined in claim 25.